

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414081

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7470 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

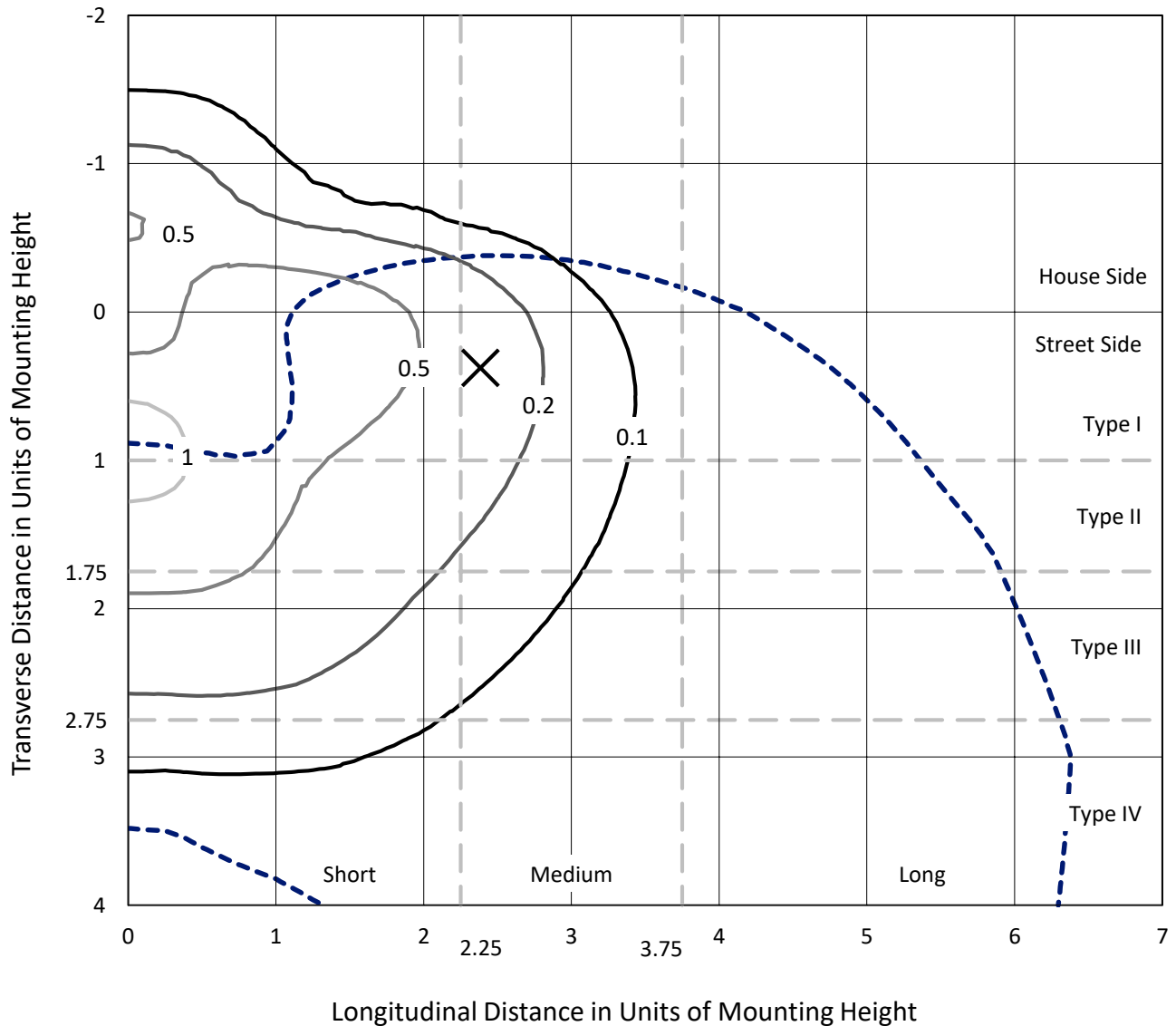
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

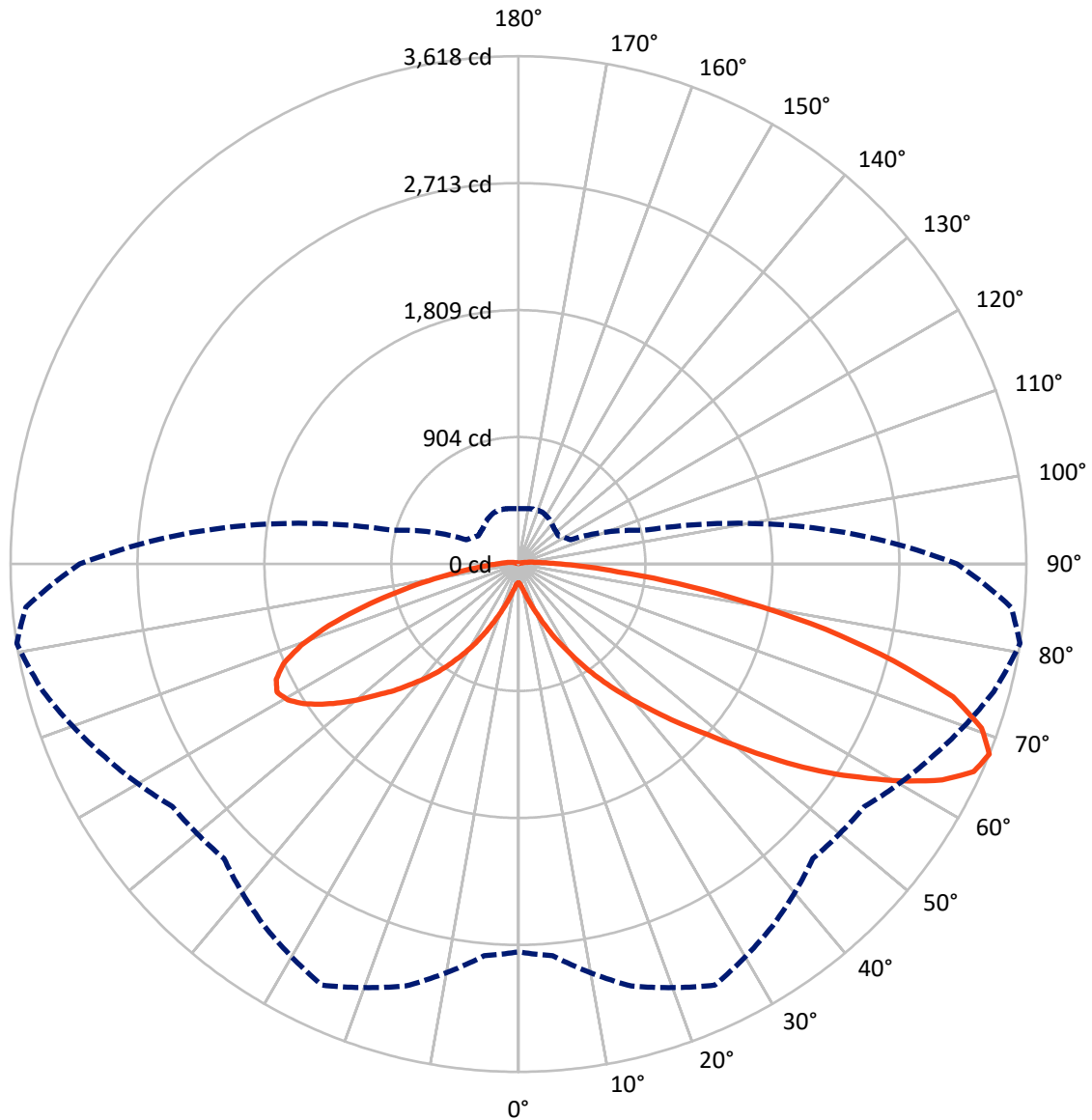
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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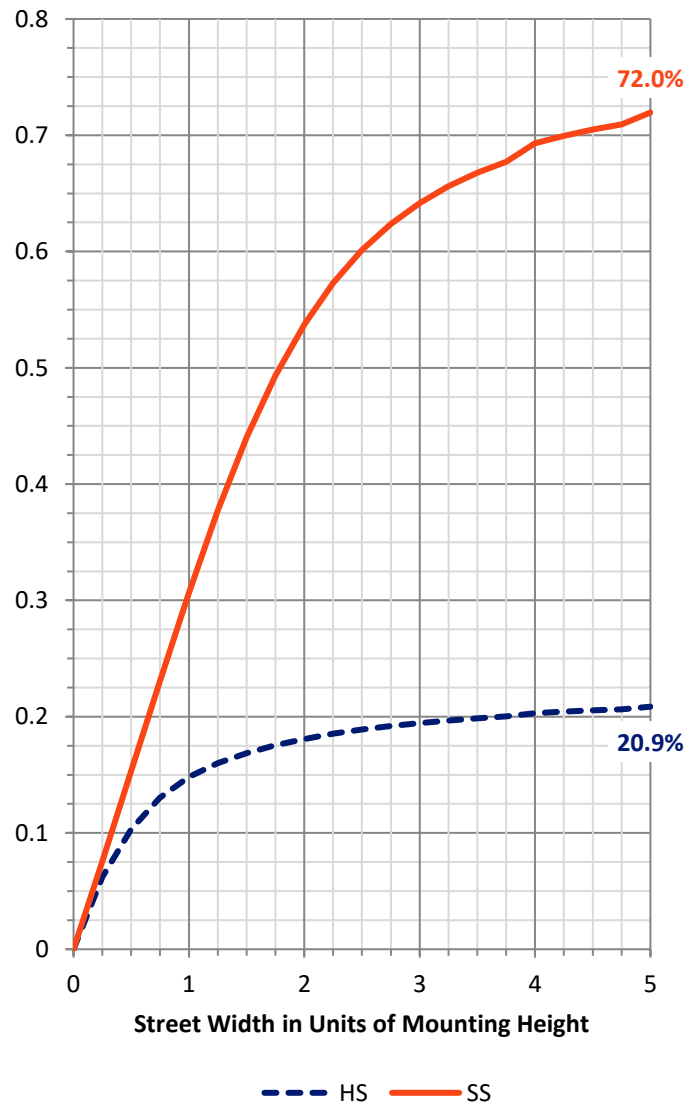
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1635.2	116.3	1751.5
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5572.3	146.2	5718.5
	% Fixture	74.6	2.0	76.6
Total	Lumens	7207.5	262.5	7470.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.2
10°-20°	77.1	1.0
20°-30°	230.0	3.1
30°-40°	499.4	6.7
40°-50°	875.6	11.7
50°-60°	1387.7	18.6
60°-70°	1872.6	25.1
70°-80°	1606.7	21.5
80°-90°	642.8	8.6
90°-100°	156.4	2.1
100°-110°	54.9	0.7
110°-120°	25.2	0.3
120°-130°	13.6	0.2
130°-140°	7.6	0.1
140°-150°	3.5	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7207.5	96.5
0°-180°	7470.0	100.0



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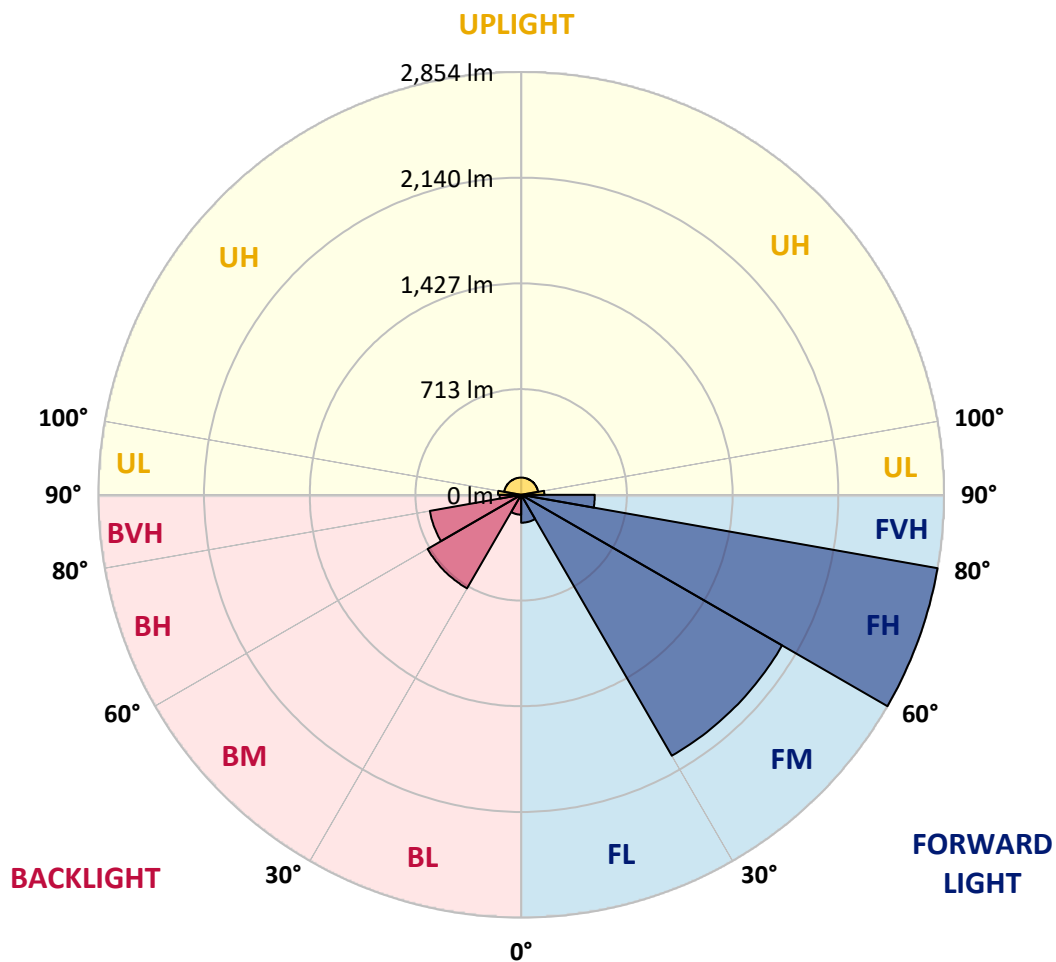
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.5	2.5			
FM (30°-60°)	2033.3	27.2			
FH (60°-80°)	2853.7	38.2			G2/5000
FVH (80°-90°)	496.9	6.7			G3/500
BL (0°-30°)	134.1	1.8	B1/500		
BM (30°-60°)	729.5	9.8	B1/1000		
BH (60°-80°)	625.6	8.4	B2/1000		G2/1000
BVH (80°-90°)	146.0	2.0			G2/225
UL (90°-100°)	156.4	2.1		U3/500	
UH (100°-180°)	116.3	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5
2.5°	146.6	145.8	145.8	146.6	146.6	146.6	144.0	141.4	138.8	137.9	137.1
5°	166.6	164.8	164.8	164.8	164.0	161.4	157.9	154.4	151.0	149.2	147.5
7.5°	192.6	191.7	190.9	188.3	187.4	183.1	177.9	172.6	167.4	165.7	164.0
10°	228.2	227.3	223.0	222.1	217.8	213.4	205.6	197.8	190.9	188.3	185.7
12.5°	273.3	273.3	267.2	260.3	255.1	246.4	239.4	229.9	224.7	221.2	217.8
15°	332.3	328.8	321.0	313.2	299.3	288.9	278.5	273.3	269.8	265.5	260.3
17.5°	397.3	393.0	386.1	370.5	352.2	337.5	327.9	322.7	321.0	318.4	312.3
20°	475.4	470.2	460.7	436.4	416.4	396.5	385.2	382.6	384.3	380.0	373.9
22.5°	568.3	564.8	544.8	514.5	486.7	458.9	448.5	450.3	453.7	459.8	456.3
25°	674.1	665.4	646.3	603.0	557.0	530.1	519.7	527.5	543.1	551.8	544.8
27.5°	797.3	792.1	753.9	697.5	637.7	601.2	593.4	616.0	642.9	649.8	649.8
30°	927.4	930.9	875.4	808.6	733.1	682.8	673.2	705.3	751.3	755.7	766.9
32.5°	1092.3	1086.2	1028.1	918.8	829.4	764.3	758.3	803.4	861.5	884.1	884.1
35°	1264.9	1258.8	1187.7	1058.4	934.4	850.2	854.6	902.3	981.2	1009.9	1014.2
37.5°	1463.6	1443.6	1366.4	1205.9	1048.9	950.0	942.2	1014.2	1107.0	1147.8	1147.8
40°	1682.2	1670.9	1563.4	1373.4	1166.0	1053.2	1047.2	1130.4	1243.2	1288.3	1297.0
42.5°	1894.8	1880.0	1780.3	1535.6	1301.4	1162.5	1163.4	1254.5	1383.8	1446.2	1457.5
45°	2119.5	2105.6	1996.3	1735.1	1448.0	1297.9	1287.5	1401.1	1555.6	1625.0	1638.0
47.5°	2319.0	2309.5	2214.9	1933.8	1630.2	1442.8	1428.9	1559.9	1738.6	1815.8	1854.9
50°	2535.9	2523.8	2435.3	2145.5	1811.5	1597.2	1596.3	1736.9	1960.7	2054.4	2086.5
52.5°	2712.0	2698.1	2636.5	2358.1	1991.1	1777.7	1762.9	1935.5	2190.6	2325.1	2340.7
55°	2874.3	2869.1	2848.2	2586.2	2209.7	1954.6	1964.2	2168.9	2452.6	2604.4	2627.9
57.5°	2991.4	2998.3	3007.9	2815.3	2424.0	2152.4	2169.8	2403.2	2725.0	2866.5	2898.6
60°	3071.2	3095.5	3158.8	3014.8	2642.6	2368.5	2398.0	2634.8	2987.0	3138.0	3164.0
62.5°	3077.3	3103.3	3250.8	3201.3	2852.6	2589.7	2623.5	2873.4	3221.3	3388.7	3391.3
65°	2961.9	2997.5	3233.4	3302.0	3037.4	2801.4	2831.7	3085.9	3417.4	3565.7	3511.9
67.5°	2763.2	2800.5	3112.8	3310.6	3151.9	2966.2	3009.6	3250.8	3505.9	3617.8	3522.3
70°	2475.2	2511.6	2840.4	3179.6	3172.7	3063.4	3120.6	3318.5	3489.4	3500.6	3366.2
72.5°	2096.9	2093.4	2448.3	2893.3	3057.3	3055.6	3146.7	3267.3	3301.1	3237.8	3038.2
75°	1605.9	1651.0	1974.6	2479.5	2794.4	2917.6	3009.6	3055.6	2958.4	2762.3	2546.3
77.5°	1150.4	1187.7	1481.8	1954.6	2404.0	2631.3	2732.8	2711.2	2470.0	2240.1	1991.9
80°	761.7	783.4	1028.9	1459.3	1938.2	2201.9	2324.2	2240.9	1934.7	1640.6	1426.3
82.5°	457.2	492.8	647.2	1025.5	1437.6	1740.3	1815.0	1676.1	1381.2	1141.7	984.7
85°	276.8	284.6	402.6	655.9	1003.8	1251.9	1323.0	1173.8	908.3	713.1	591.7
87.5°	155.3	169.2	249.0	426.8	675.0	869.3	894.5	773.0	570.0	442.5	370.5
90°	91.1	100.6	152.7	264.6	430.3	562.2	569.1	467.6	337.5	266.3	236.8
92.5°	58.1	65.1	101.5	170.0	276.8	365.2	355.7	288.9	216.0	177.9	153.6
95°	41.6	45.1	71.1	117.1	185.7	229.9	226.4	181.3	144.9	124.1	112.8
97.5°	31.2	34.7	55.5	85.9	124.9	154.4	151.0	120.6	100.6	91.1	86.8
100°	26.0	27.8	45.1	67.7	92.8	111.0	109.3	89.4	75.5	68.5	66.8
102.5°	22.6	24.3	37.3	54.7	73.7	85.9	82.4	69.4	57.3	51.2	49.5
105°	20.0	20.8	32.1	46.8	60.7	67.7	66.8	55.5	44.2	38.2	37.3
107.5°	18.2	19.1	27.8	39.9	51.2	57.3	55.5	45.1	33.8	29.5	28.6
110°	16.5	17.4	24.3	34.7	43.4	48.6	46.0	37.3	26.9	22.6	22.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	15.6	15.6	21.7	29.5	37.3	41.6	39.0	30.4	20.8	18.2	19.1
115°	14.7	14.7	19.1	26.0	33.0	36.4	33.0	25.2	17.4	15.6	15.6
117.5°	13.9	13.9	17.4	23.4	29.5	32.1	28.6	21.7	14.7	13.0	13.9
120°	13.0	13.9	16.5	20.8	26.0	27.8	25.2	18.2	12.1	12.1	13.0
122.5°	13.0	13.0	15.6	19.1	23.4	24.3	21.7	15.6	11.3	11.3	11.3
125°	13.0	13.0	14.7	17.4	20.8	21.7	18.2	13.0	10.4	10.4	10.4
127.5°	13.0	13.0	13.9	16.5	18.2	19.1	16.5	12.1	9.5	9.5	10.4
130°	12.1	13.0	13.0	14.7	16.5	16.5	13.9	10.4	8.7	8.7	9.5
132.5°	12.1	12.1	13.0	13.9	14.7	14.7	12.1	9.5	7.8	8.7	8.7
135°	12.1	12.1	12.1	13.0	13.9	13.0	10.4	7.8	6.9	7.8	7.8
137.5°	11.3	11.3	11.3	12.1	12.1	11.3	9.5	6.9	6.9	6.9	6.9
140°	10.4	10.4	10.4	10.4	11.3	10.4	7.8	6.1	6.1	6.1	6.1
142.5°	9.5	9.5	9.5	9.5	9.5	8.7	6.9	5.2	5.2	5.2	5.2
145°	8.7	8.7	8.7	8.7	7.8	6.9	5.2	4.3	4.3	5.2	5.2
147.5°	6.9	6.9	6.9	6.9	6.9	6.1	4.3	3.5	4.3	4.3	4.3
150°	6.1	6.1	6.1	6.1	5.2	5.2	3.5	3.5	3.5	4.3	4.3
152.5°	4.3	4.3	4.3	5.2	4.3	3.5	2.6	2.6	3.5	3.5	3.5
155°	3.5	3.5	3.5	3.5	3.5	2.6	1.7	2.6	3.5	3.5	3.5
157.5°	1.7	2.6	2.6	2.6	2.6	2.6	1.7	2.6	2.6	2.6	2.6
160°	0.9	0.9	1.7	1.7	2.6	2.6	1.7	1.7	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5
2.5°	137.1	136.2	135.3	134.5	133.6	133.6	132.7	131.9	131.0	130.1	130.1
5°	146.6	144.9	142.3	140.5	138.8	138.8	137.1	136.2	134.5	133.6	133.6
7.5°	161.4	160.5	155.3	152.7	150.1	149.2	147.5	145.8	144.0	144.0	144.0
10°	183.1	180.5	176.1	169.2	166.6	164.8	162.2	160.5	160.5	161.4	161.4
12.5°	216.0	209.1	203.0	193.5	188.3	184.8	183.1	183.9	188.3	190.0	188.3
15°	254.2	252.5	237.7	223.8	213.4	206.5	210.8	216.0	222.1	223.8	226.4
17.5°	307.1	301.0	281.1	261.1	242.1	238.6	243.8	252.5	259.4	264.6	268.9
20°	370.5	360.0	335.7	301.0	279.4	274.2	277.6	289.8	302.8	313.2	314.1
22.5°	450.3	434.7	391.3	347.9	315.8	307.1	311.5	330.5	349.6	362.6	361.8
25°	537.0	517.9	459.8	397.3	353.1	337.5	345.3	370.5	397.3	413.0	414.7
27.5°	634.2	615.1	534.4	445.1	386.9	363.5	376.5	405.2	441.6	460.7	464.2
30°	748.7	722.7	609.0	496.3	418.2	387.8	399.9	437.3	477.2	504.1	507.5
32.5°	867.6	826.8	683.6	537.9	439.9	403.4	417.3	460.7	506.7	536.2	541.4
35°	990.8	940.4	759.1	573.5	455.5	413.0	426.8	475.4	524.0	556.1	560.5
37.5°	1129.6	1062.8	827.7	600.4	464.2	415.6	429.4	478.0	527.5	558.7	563.1
40°	1269.3	1179.9	884.9	616.8	465.0	413.0	424.2	471.1	517.9	544.8	549.2
42.5°	1419.3	1303.1	942.2	621.2	460.7	406.0	415.6	457.2	497.1	517.9	520.5
45°	1587.7	1445.4	990.8	617.7	448.5	395.6	402.6	438.1	469.4	478.9	483.2
47.5°	1765.5	1585.9	1028.1	607.3	436.4	384.3	388.7	418.2	438.1	439.0	439.9
50°	1982.4	1756.8	1074.1	592.6	419.9	373.9	376.5	399.9	409.5	405.2	403.4
52.5°	2220.1	1939.9	1103.5	569.1	405.2	364.4	367.0	385.2	388.7	379.1	380.0
55°	2478.6	2110.8	1128.7	546.6	389.5	358.3	363.5	378.3	378.3	366.1	365.2
57.5°	2719.8	2285.2	1140.0	517.9	376.5	354.0	362.6	377.4	375.7	364.4	363.5
60°	2953.2	2427.5	1126.1	490.2	367.8	352.2	367.8	383.5	381.7	372.2	371.3
62.5°	3114.6	2516.8	1091.4	462.4	360.0	354.8	373.9	392.1	392.1	381.7	381.7
65°	3184.0	2506.4	1020.3	434.7	354.0	356.6	382.6	401.7	399.9	391.3	389.5
67.5°	3125.9	2411.8	924.8	407.8	348.8	358.3	386.9	406.9	405.2	395.6	393.9
70°	2939.3	2213.2	809.4	383.5	341.8	355.7	388.7	406.0	403.4	394.7	391.3
72.5°	2568.0	1904.3	688.9	360.0	331.4	349.6	383.5	399.1	396.5	389.5	385.2
75°	2115.1	1535.6	569.1	334.0	318.4	338.4	372.2	386.1	382.6	376.5	372.2
77.5°	1617.2	1159.9	470.2	309.7	302.8	323.6	356.6	367.0	363.5	358.3	355.7
80°	1144.3	825.9	378.3	282.8	280.2	301.0	328.8	340.1	338.4	333.1	328.8
82.5°	753.1	549.2	301.9	252.5	254.2	275.9	296.7	302.8	301.9	297.6	292.4
85°	464.2	361.8	237.7	217.8	225.6	242.9	260.3	261.1	258.5	257.7	249.9
87.5°	295.8	247.3	186.5	184.8	196.1	210.8	218.6	215.2	216.9	216.9	210.8
90°	192.6	173.5	149.2	154.4	166.6	177.9	181.3	171.8	177.0	174.4	171.8
92.5°	139.7	129.3	121.5	128.4	140.5	151.0	149.2	138.8	141.4	141.4	140.5
95°	105.8	100.6	101.5	108.4	118.0	124.9	121.5	112.8	113.7	111.9	109.3
97.5°	83.3	82.4	85.9	91.1	99.8	104.1	100.6	92.8	92.0	89.4	88.5
100°	65.9	66.8	72.0	78.1	83.3	86.8	84.2	76.3	72.9	68.5	67.7
102.5°	51.2	52.9	59.9	65.1	70.3	72.9	70.3	64.2	58.1	53.8	52.9
105°	39.9	41.6	49.5	54.7	59.0	60.7	59.0	52.1	46.0	40.8	40.8
107.5°	31.2	33.0	40.8	46.8	49.5	51.2	48.6	43.4	36.4	32.1	32.1
110°	25.2	26.9	33.8	39.0	41.6	43.4	40.8	34.7	29.5	26.0	26.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.0	22.6	27.8	33.0	35.6	36.4	33.8	29.5	23.4	21.7	21.7
115°	17.4	19.1	23.4	27.8	30.4	30.4	28.6	24.3	19.1	18.2	18.2
117.5°	14.7	16.5	20.0	24.3	26.0	26.0	24.3	20.0	16.5	15.6	15.6
120°	13.9	14.7	17.4	20.8	22.6	22.6	20.8	17.4	13.9	13.9	13.9
122.5°	12.1	13.0	15.6	18.2	20.0	20.0	18.2	14.7	12.1	13.0	13.0
125°	11.3	12.1	13.9	15.6	17.4	17.4	15.6	13.0	11.3	11.3	11.3
127.5°	10.4	11.3	12.1	13.9	14.7	14.7	13.9	11.3	10.4	10.4	10.4
130°	9.5	10.4	11.3	12.1	13.0	13.0	11.3	9.5	9.5	9.5	9.5
132.5°	9.5	9.5	9.5	10.4	11.3	11.3	10.4	8.7	8.7	8.7	8.7
135°	8.7	8.7	8.7	8.7	9.5	9.5	8.7	7.8	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	8.7	8.7	7.8	6.9	6.9	6.9	6.9
140°	6.9	6.9	6.9	6.1	6.9	6.9	6.1	6.1	6.1	6.1	6.1
142.5°	5.2	6.1	5.2	5.2	5.2	5.2	5.2	4.3	5.2	5.2	5.2
145°	5.2	5.2	5.2	4.3	4.3	4.3	4.3	3.5	4.3	4.3	4.3
147.5°	4.3	4.3	4.3	3.5	2.6	3.5	2.6	3.5	3.5	3.5	3.5
150°	4.3	4.3	3.5	3.5	2.6	1.7	1.7	2.6	2.6	2.6	2.6
152.5°	3.5	3.5	3.5	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
155°	3.5	3.5	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.9	0.0	0.0	0.0
160°	2.6	2.6	2.6	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)